

(June 03, 1996)

Traffic Safety Drums

Traffic safety drums shall be manufactured specifically for traffic control purposes, and shall be fabricated from low density polyethylene that maintains its integrity upon impact.

The drums shall be of the following general specifications:

Overall Height	900 mm, ± 50 mm.
Overall Width	450 mm minimum in the direction(s) of traffic flow. If the front to back dimension is less than 450 mm, only those drums specifically approved by the Engineer will be permitted.
Shape	Rectangular, hexagonal, circular, or flat-sided semi-circular.
Color	The base color of the drum shall be fade resistant safety orange.
Reflective Stripes	The exterior vertical surface shall have at least two orange and two white circumferential stripes. Each stripe shall be 100 mm to 200 mm wide and shall be reflectorized. If there are nonreflectorized spaces between the horizontal orange and white stripes they shall be no more than 50 mm wide. Reflective stripes shall be 3-M flexible 3810, Reflexite PC 1000, 3-M Diamond Grade, or Stimsonite High Performance Grade.

The traffic safety drums shall be designed to accommodate at least one portable light unit. The method of attachment shall ensure that the light does not separate from the drum upon impact.

When recommended by the manufacturer, drums shall be treated to ensure proper adhesion of the reflective sheeting.

If approved by the Engineer, used drums with new reflective sheeting may be used, provided all drums used on the project are of essentially the same configuration.

The drums shall be designed to resist overturning by means of a lower unit that will separate from the drum when impacted by a vehicle. The lower unit shall be a maximum of 100 millimeters high and shall be designed to completely enclose the ballast. The lower unit, with ballast, shall have a minimum mass of 4.5 kilograms and maximum mass of 22 kilograms. The

1 base shall be designed to resist movement or creeping from wind gusts or
2 other external forces. The drums shall be designed to resist rolling if
3 overturned.
4
5 Drums shall be regularly maintained to ensure that they are clean and that
6 the drum and reflective material are in good condition. If the Engineer
7 determines that a drum has been damaged beyond use, or provides
8 inadequate reflectivity, a new drum shall be furnished.
9
10 When no longer required, as determined by the Engineer, the drums shall
11 remain the property of the Contractor and shall be removed from the project.